

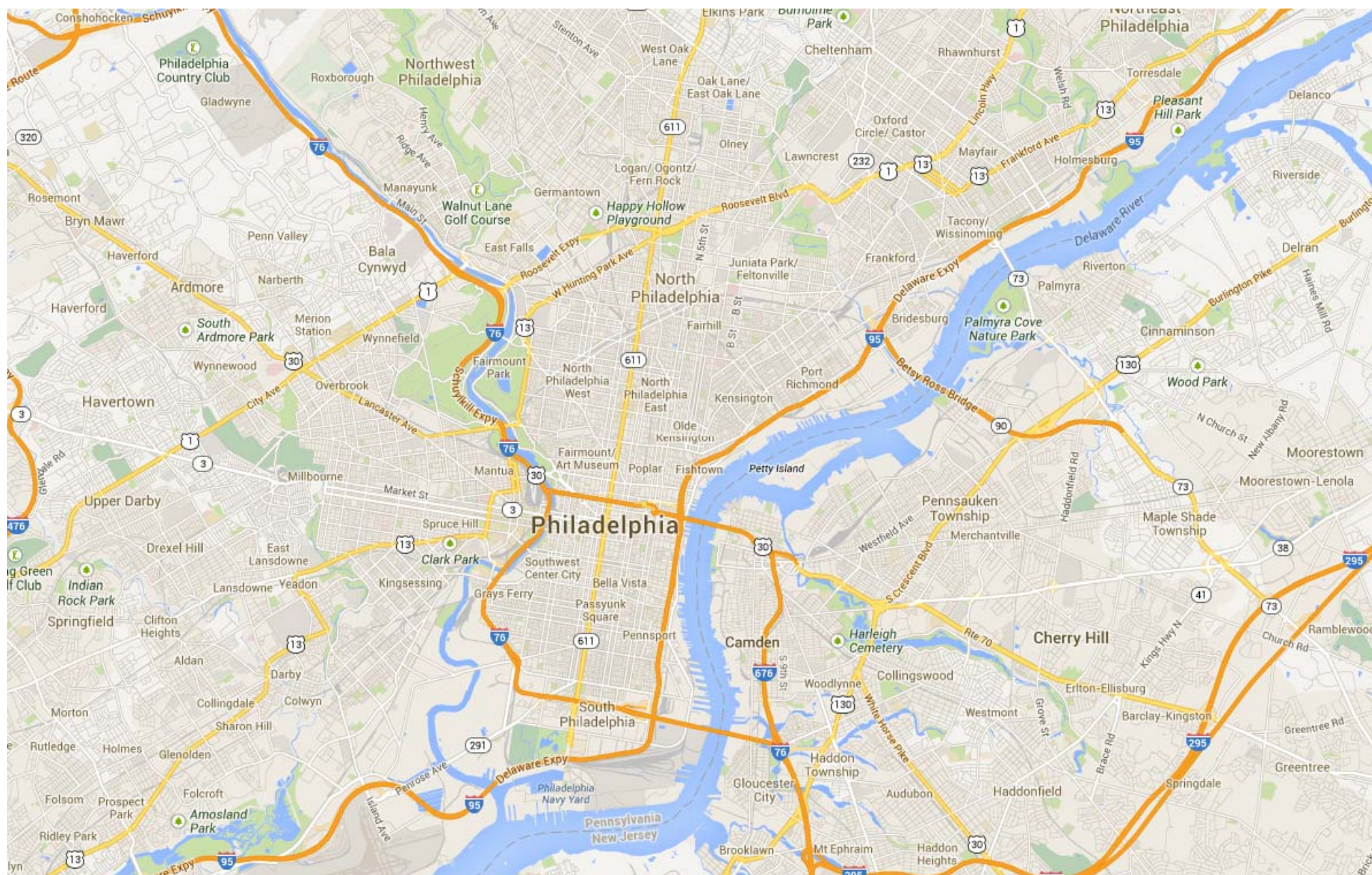
US EPA ARCHIVE DOCUMENT



Green Infrastructure Planning in Philadelphia

Elizabeth Svekla, AICP

Philadelphia Water Department





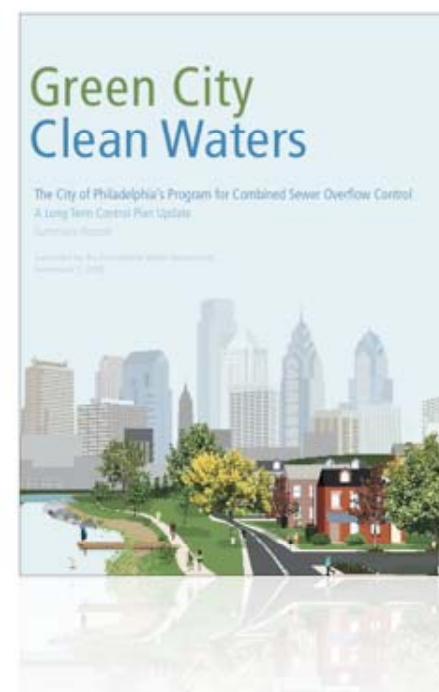
2009 - 2015



2012

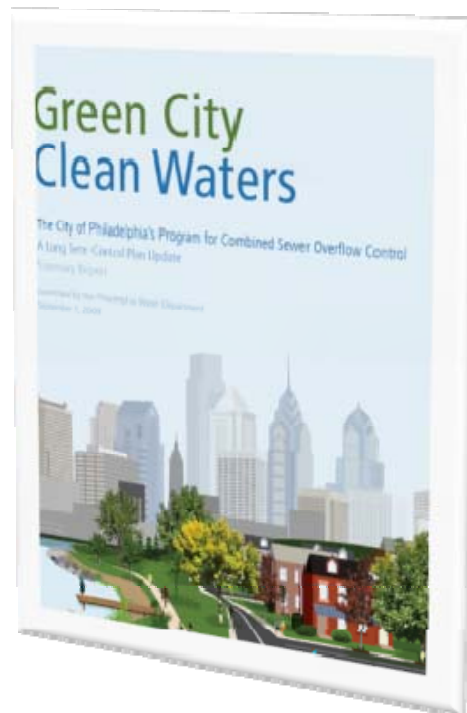


2035



2035+

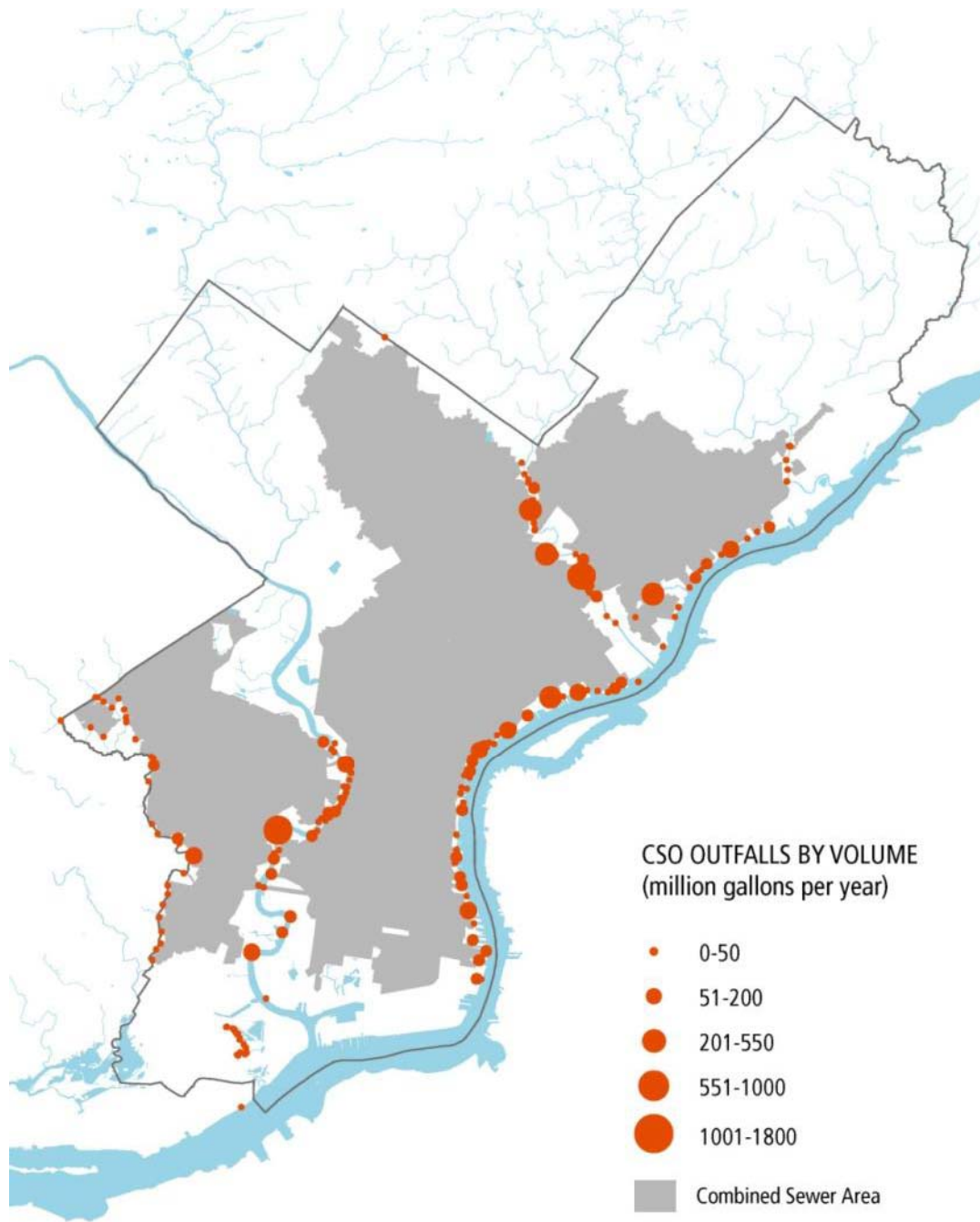
Green City, Clean Waters



This plan lays the foundation for a sustainable Philadelphia by:

- Greening our neighborhoods
- Restoring our waterfronts
- Improving our outdoor recreation spaces, and
- Enhancing our quality of life

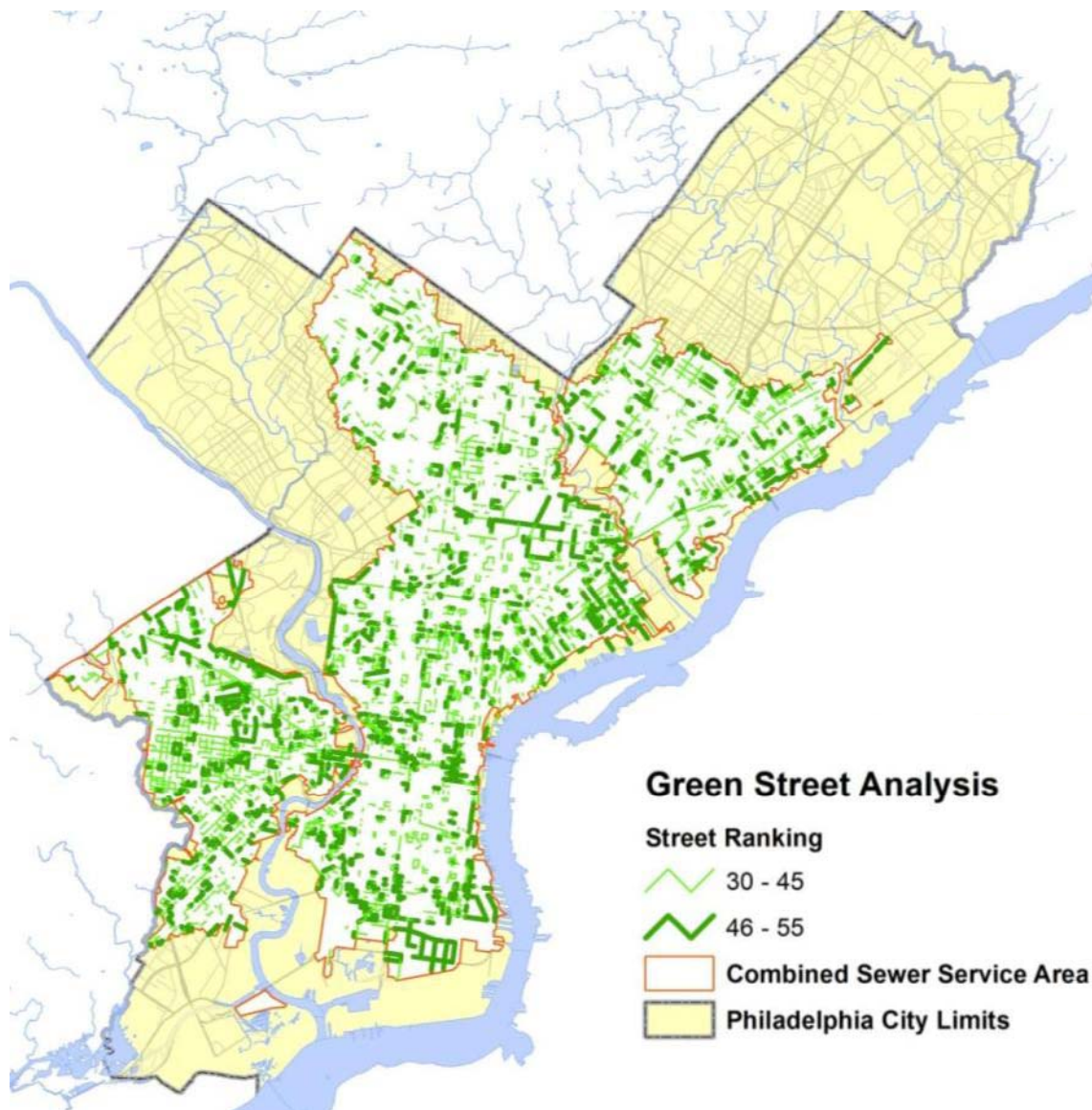




Combined Sewer Area



Initial Green Street Approach

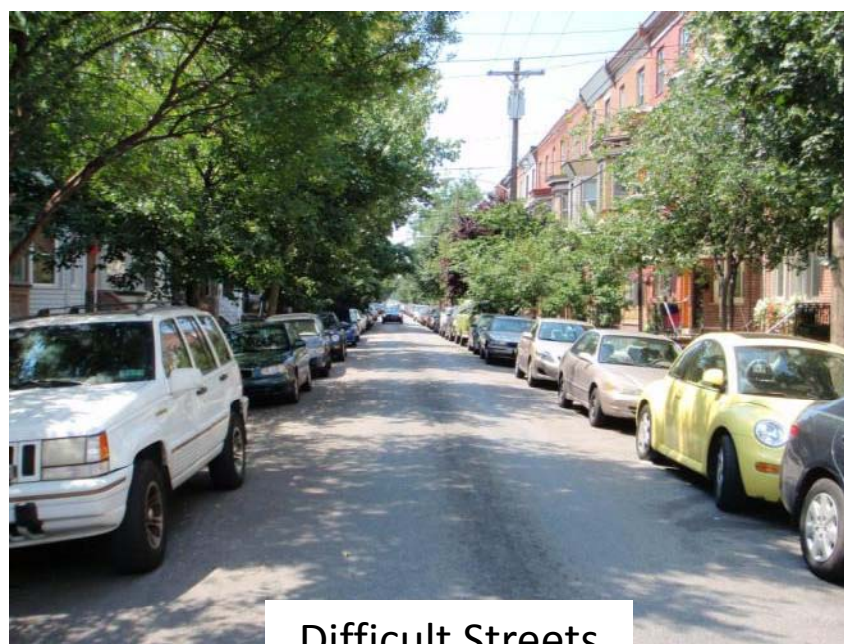


- Street and Sidewalk Width
- Number of Parcels on Street
- Building Setback
- Presence & Use of On-Street Parking
- Presence of Street Trees
- Existing Utilities
- Slope
- Soils / Infiltration Capacity
- Community Support & Capacity for Maintenance
- Concurrent Projects

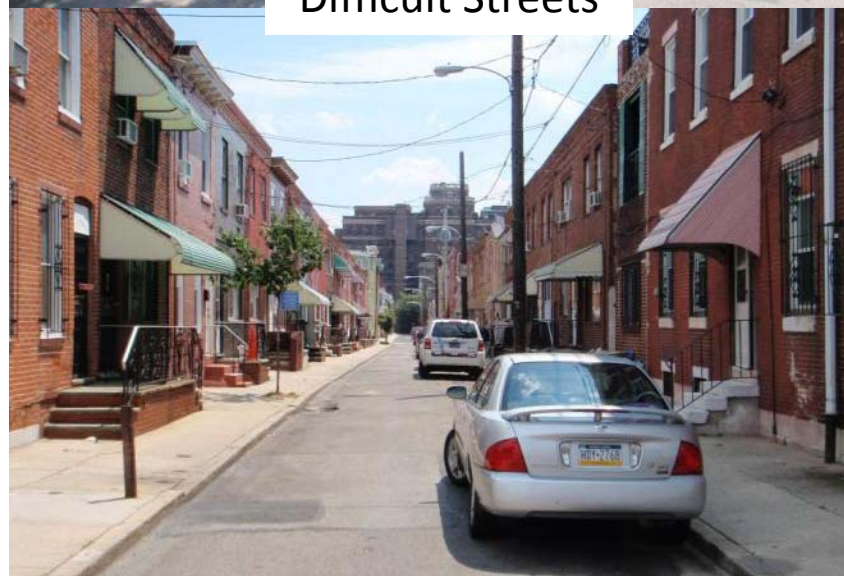
Green Streets



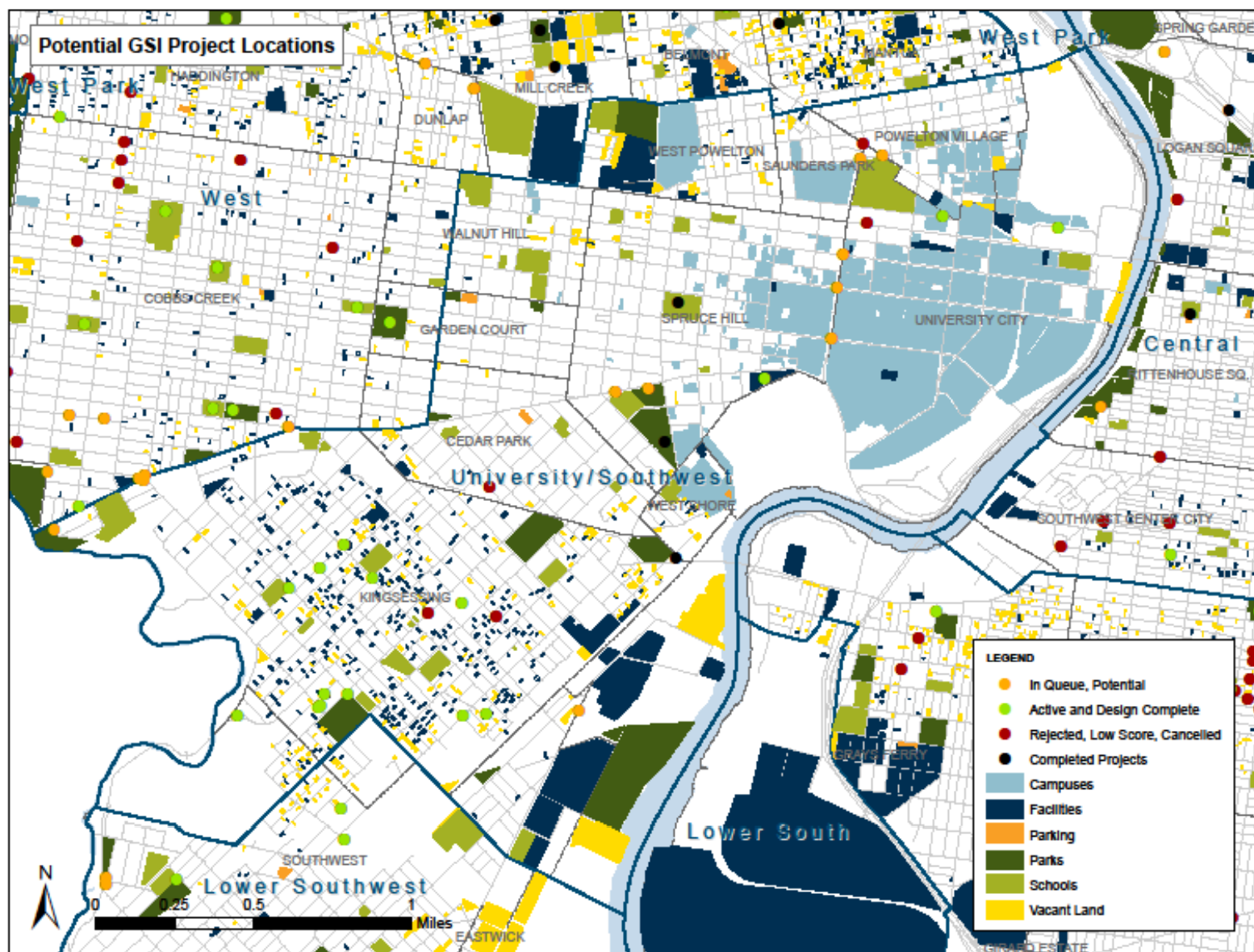
Good Candidates



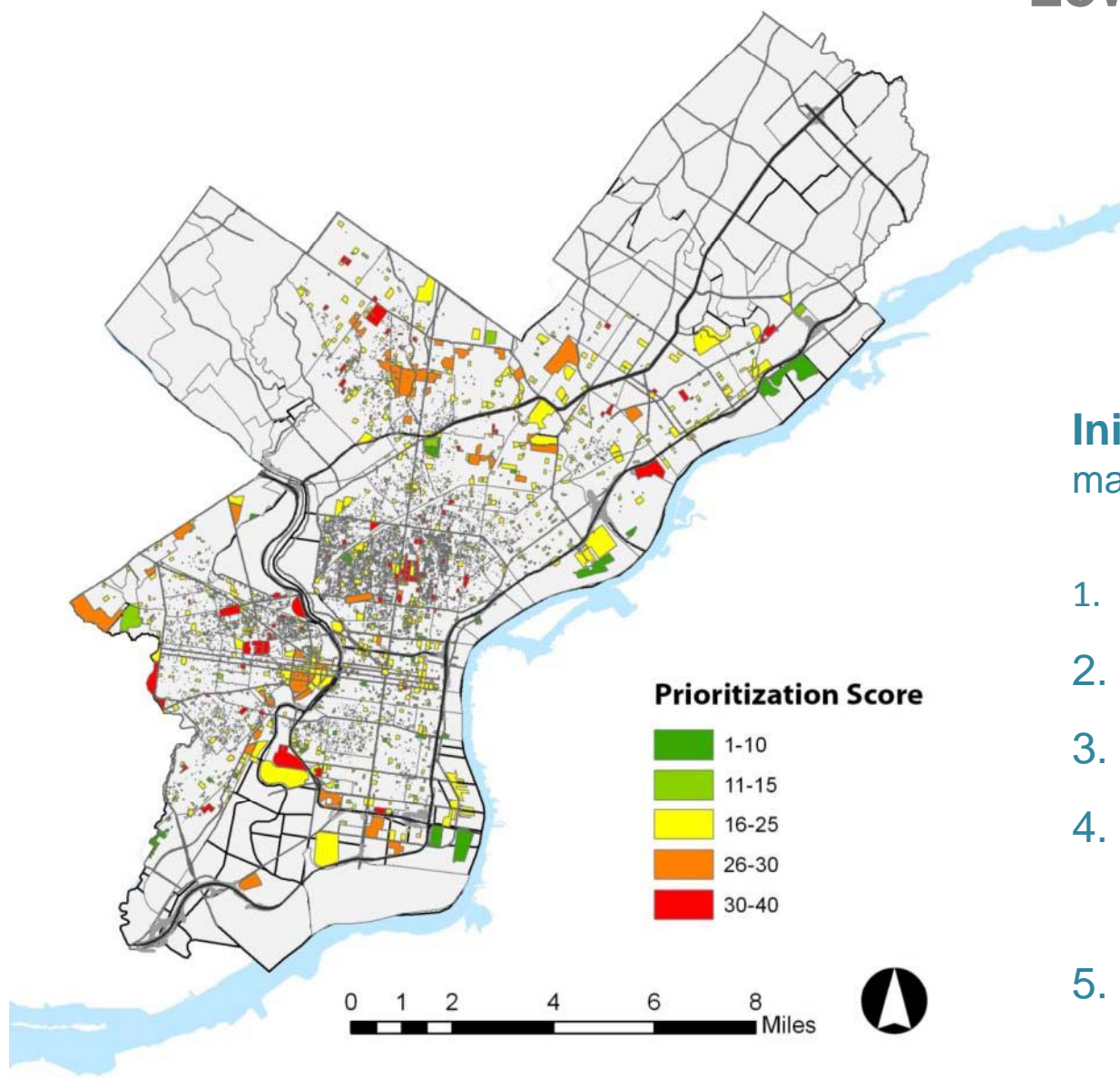
Difficult Streets



GSI Opportunities on Publicly Owned Land



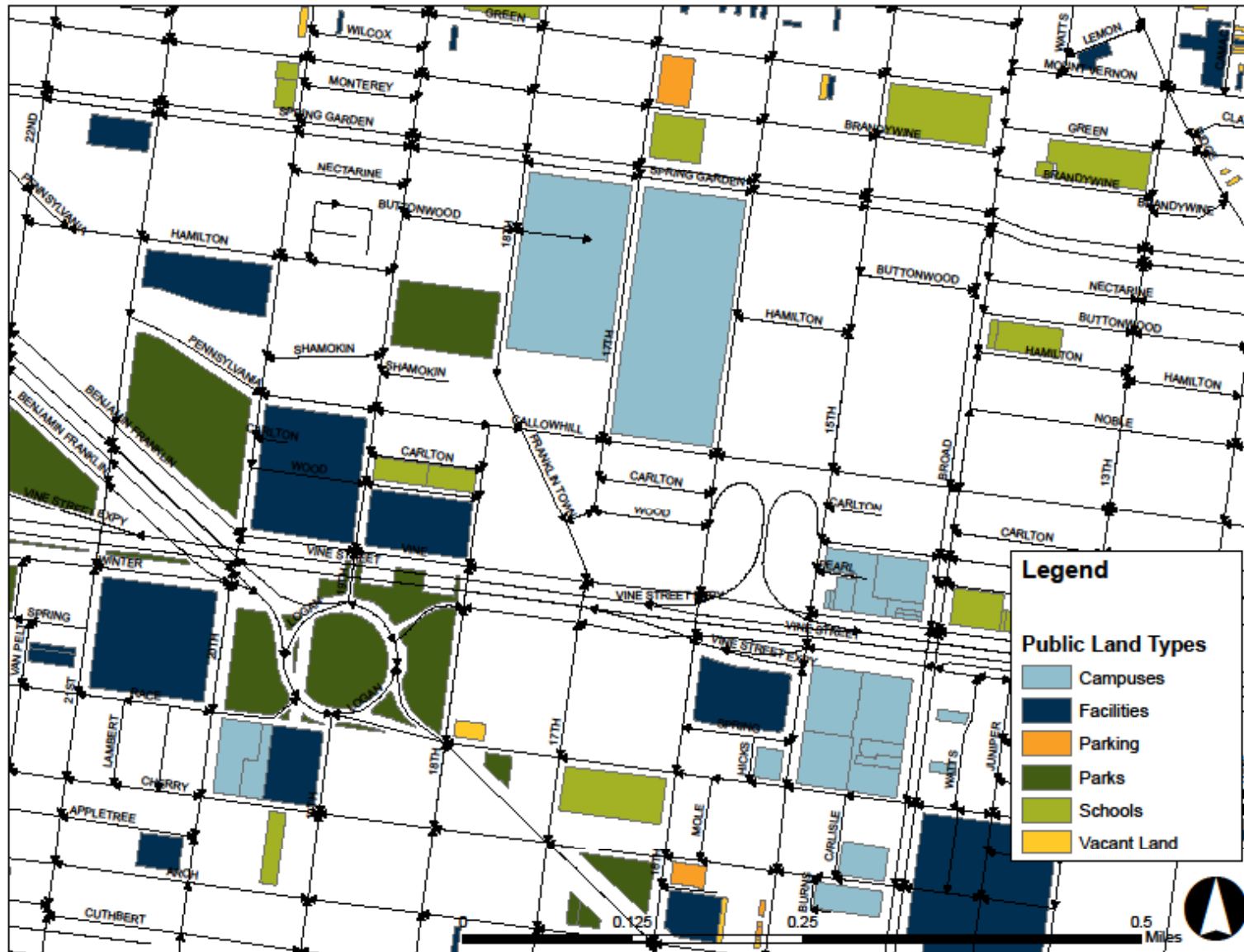
Low Point Analysis and Prioritization



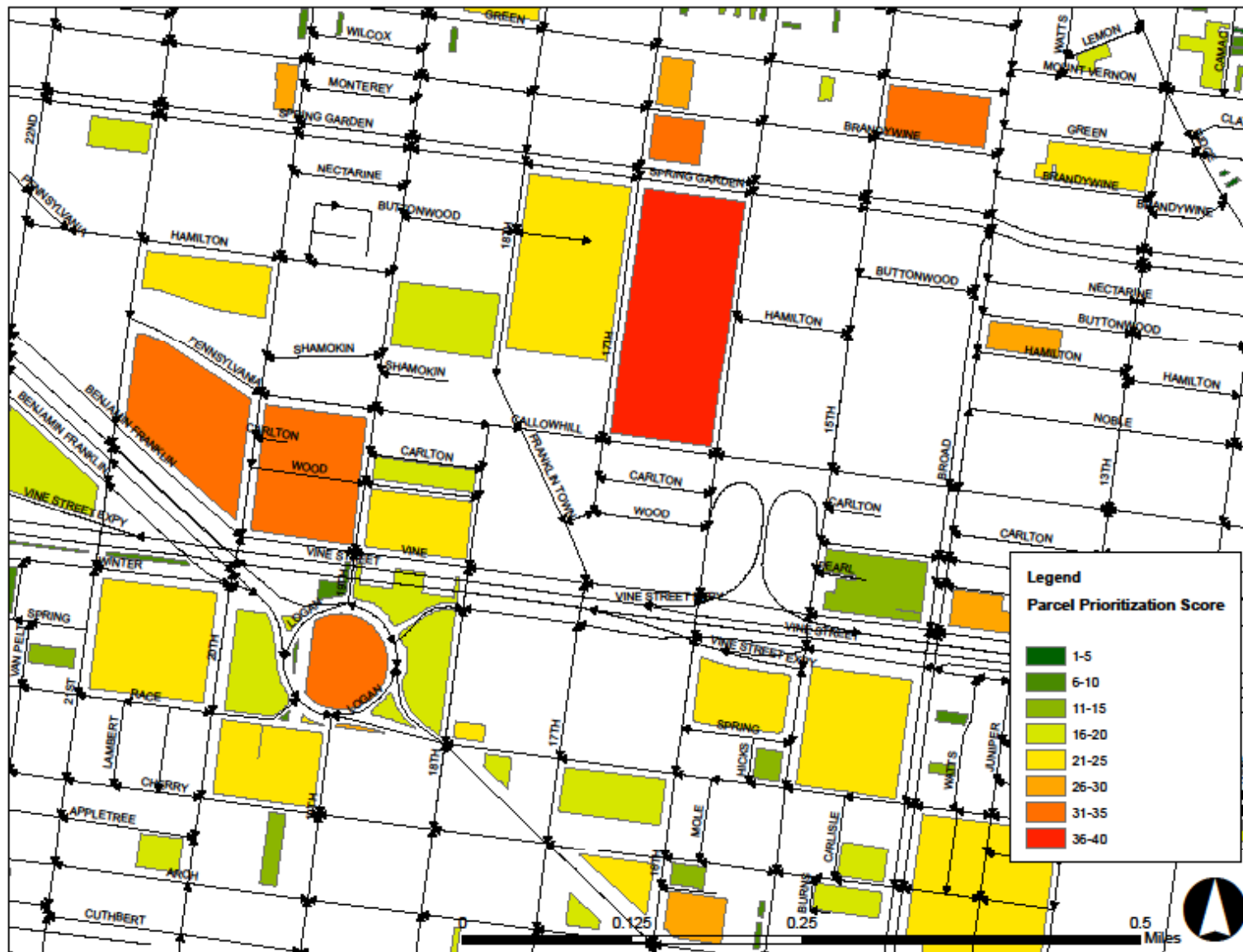
Initial Prioritization Factors:
maximum score of 40

1. Parcel size
2. Proximity to a low point
3. Drainage area to low point
4. Proximity to a capital project
5. Community Relationships

Clustering of Potential Projects



Clustering of Potential Projects

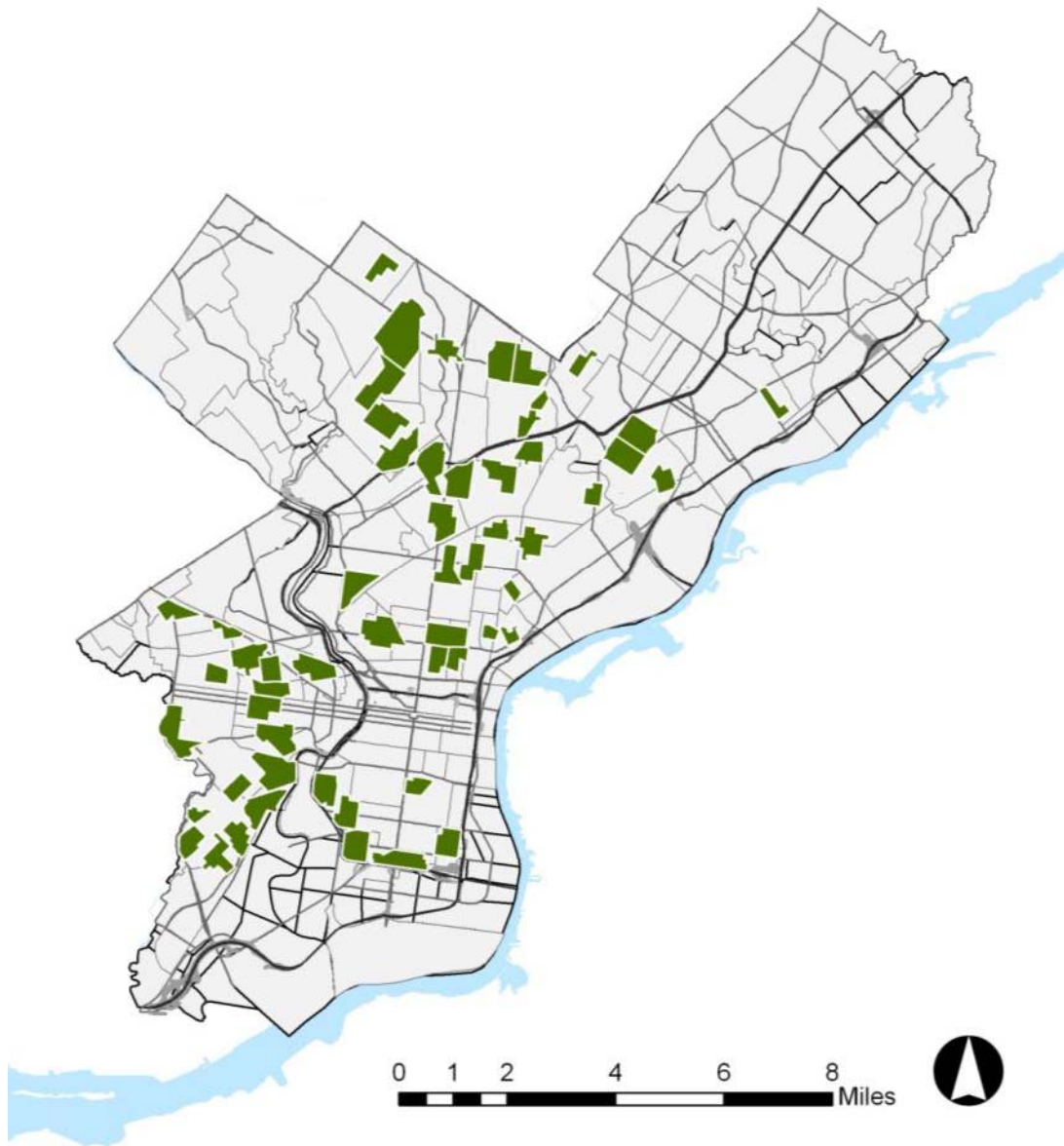


Capacity and Challenges to Implementation



- Limited staff for the scale of projects that need to be implemented
- Internally prioritizing projects and restructuring the way we work
- Educating partners on the benefits of GSI
- Aligning timelines
- Utilizing contracts for various stages of the implementation process

Defining Study Areas



AOA Study Areas:

AOA = Area Opportunity Analysis

- approx. 50 areas citywide
- range from 75-250 acres (total area)
- AOA Deliverables
 - Existing Conditions mapping
 - Parcel Data input into PlanIT
 - Stormwater Improvements Mapping
 - Project Implementation Matrix
 - Concept Designs (if requested)

Current Planning Efforts



Outreach and Coordination

Public Outreach

Community Partnerships

Education & Outreach

Active Participation



Interagency Coordination

Partnership Building

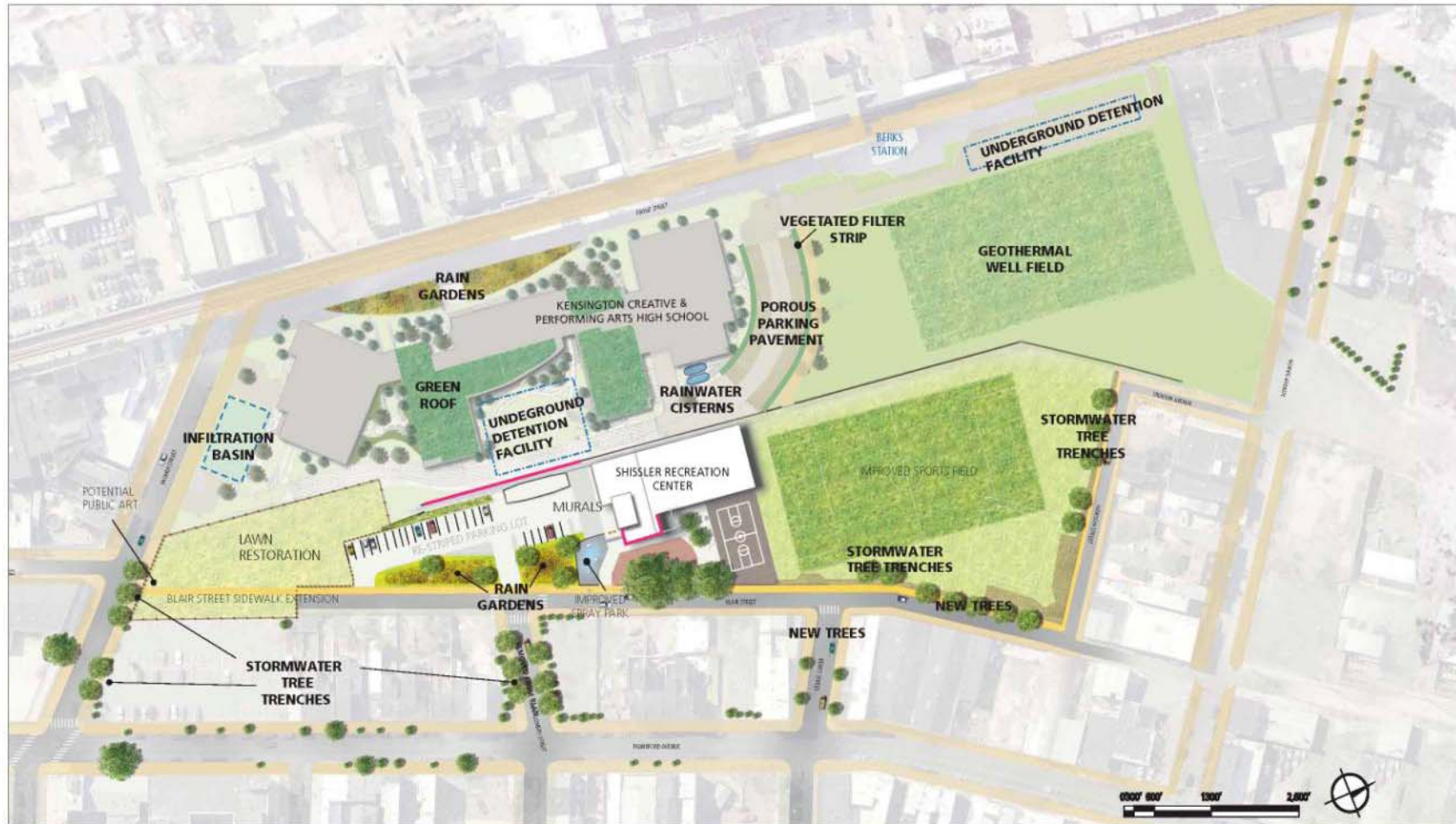
Coordination of Capital Improvements

Leveraging of Funds



Completed Projects

Green City, Clean Waters
Big Green Block Master Plan



PHILADELPHIA
PARKS & RECREATION



City of Philadelphia
MuralArtsProgram



<http://www.phillywatersheds.org>

